

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<u>09194321</u>	<u>6284798</u>	150	10/18/1999	GUANIDINE DERIVATIVES, METHODS OF PREPARING THEM AND THEIR USE AS DRUGS	AMTMANN, EBERHARD
<u>06892346</u>	<u>4851435</u>	150	08/01/1986	ANTIVITAL AND ANTITUMOR XANTHATE PHARMACEUTICAL COMPOSITIONS	AMTMANN, EBERHARD
<u>08337887</u>	Not Issued	161	11/14/1994	ANTIVIRAL AND ANTITUMOR PHARMACEUTICAL COMPOSITIONS	AMTMANN, EBERHARD
<u>07781125</u>	Not Issued	161	03/13/1992	ANTI-TUMOR AGENTS HAVING REDUCED TOXICITY ON THE BASIS OF CYTOSTATIC AGENTS AND XANTHOGENATES	AMTMANN, EBERHARD
<u>09784618</u>	Not Issued	071	02/15/2001	MEDICAMENT CONTAINING PLATINUM COMPLEX COMPOUNDS AND THE USE THEREOF	AMTMANN, EBERHARD
<u>09815992</u>	Not Issued	164	03/23/2001	NEW GUANIDINE DERIVATIVES, PROCESSES FOR PREPARING THEM AND THEIR USE AS PHARMACEUTICAL COMPOSITIONS	AMTMANN, EBERHARD
<u>10220905</u>	Not Issued	019	01/01/0001	SPHINGOMYELINASE ENZYMES AND USES RELATING THERETO	AMTMANN, EBERHARD
<u>09815995</u>	<u>6444706</u>	150	03/23/2001	GUANIDINE DERIVATIVES, PROCESSES FOR PREPARING THEM AND THEIR USE AS PHARMACEUTICAL COMPOSITIONS	AMTMANN, EBERHARD

Inventor Search Completed: No Records to Display.

	Last Name	First Name	
Search Another: Inventor	<input type="text" value="Amtmann"/>	<input type="text" value="Eberhard"/>	<input type="button" value="Search"/>

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

Attention, the CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of

=> s thioplatin

L2 1 THIOPLATIN

=> d l2 all

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

AN 2001:422765 CAPLUS

TI Antitumoral activity of a sulphur-containing platinum complex with an acidic pH optimum

AU Amtmann, Eberhard; Zoller, Margot; Wesch, Horst; Schilling, Gerhard
CS Department D0600, German Cancer Research Centre, Heidelberg, 69120, Germany

SO Cancer Chemother. Pharmacol. (2001), 47(6), 461-466
CODEN: CCPHDZ; ISSN: 0344-5704

PB Springer-Verlag

DT Journal

LA English

CC 1 (Pharmacology)

AB Platinum complexes are essential tools for cancer treatment despite their toxic side effects. Here we describe a new platinum complex with sulphurs as complexing atoms (**thioplatin**). Purpose: To demonstrate that the antitumoral activity of a new sulfur-contg. platinum compd. (**thioplatin**) depends on a slightly acidic pH. Methods: Platinum uptake by tumor cells and interaction with DNA was detd. at slightly acidic or alk. pH. To demonstrate low in-vivo toxicity the effects of **thioplatin** on body wt., blood urea nitrogen, white blood cell count and the histopathol. appearance of small intestines and kidneys were evaluated at doses that displayed antitumoral effects against human small-cell lung cancer and human colorectal cancer xenotransplants in nude mice. Results: The slightly acidic pH optimum of **thioplatin** was proven by the altered electrophoretic mobility of plasmid DNA, quantitation of the platinum content in the DNA of tumor cells and cytotoxicity studies. **Thioplatin** displayed antitumoral activity without severe side effects such as wt. loss, renal ischemia, destruction of villi in the small intestine or leukopenia as obsd. at comparable doses of cisplatin. Furthermore, probably due to its lipophilic nature, **thioplatin** was taken up readily even by cisplatin-resistant cells. In vivo studies with human tumor xenografts in nude mice showed a therapeutic index of **thioplatin** five to ten times higher than that of cisplatin.

RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD

RE

(1) Calvert, A; Cancer Chemother Pharmacol 1982, V9, P140 MEDLINE

(2) Gerweck, L; Semin Radiat Oncol 1998, V8, P176 MEDLINE

(3) Hollis, L; Platinum and other metal coordination compounds in cancer chemotherapy 1991, P115 CAPLUS

(4) Johnson, N; Chem Biol Interact 1980, V30, P151 CAPLUS

(5) Jones, M; Fundam Appl Toxicol 1992, V18, P181 CAPLUS

(6) Knox, R; Cancer Res 1986, V46, P1972 CAPLUS

(7) Lebowitz, D; Eur J Cancer 1998, V34, P1522 CAPLUS

(8) Mistry, P; Cancer Res 1992, V52, P6188 CAPLUS

(9) Mong, S; Cancer Res 1981, V41, P4020 CAPLUS

(10) Roberts, J; Prog Nucleic Acids Res Mol Biol 1979, V22, P71 CAPLUS

- (11) Scovell, W; Biochem Biophys Res Commun 1982, V104, P1597 CAPLUS
- (12) von Hoff, D; Cancer Treat Rep 1979, V63, P1527 CAPLUS
- (13) Warburg, O; Uber den Stoffwechsel der Tumoren 1926

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	5.21	9.68
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.62	-0.62

STN INTERNATIONAL LOGOFF AT 07:23:23 ON 30 JAN 2002